

## **Claims**

### What is claimed is:

1. A facsimile machine comprising:  
means for scanning an original document to generate image data;  
means for detecting whether an amount of the image data exceeds  
a prescribed amount;  
means for dividing the image data in parallel with the scanning  
of the original document each time the amount of the image data is  
detected to exceed the prescribed amount; and  
means for transmitting each divided image data by electronic  
mail.
2. The facsimile machine according to claim 1, wherein the  
means for transmitting further includes means for establishing a  
connection with a remote device when the scanning of the original  
document is started.
3. The facsimile machine according to claim 2, wherein the  
means for transmitting further includes means for maintaining the  
connection with the remote device until all divided image data are  
transmitted.
4. The facsimile machine according to claim 1, further  
comprising:  
means for storing the electronic mail;

means for receiving information regarding reception of the electronic mail from the remote device; and

means for erasing the electronic mail from the means for storing when it is determined that the remote device received the electronic mail normally in accordance with the information received from the remote device.

5. A facsimile machine comprising:

means for scanning an original document to generate image data;

means for detecting whether an amount of the image data exceeds a prescribed amount;

means for dividing the image data in parallel with the scanning of the original document each time the amount of the image data is detected to exceed the prescribed amount;

means for transmitting each divided image data by electronic mail; and

means for stopping the transmission of the electronic mail when an error generates in the means for generating.

6. A facsimile machine comprising:

means for scanning an original document to generate image data;

means for detecting whether an amount of the image data exceeds a prescribed amount;

means for dividing the image data in parallel with the scanning of the original document each time the amount of the image data is detected to exceed the prescribed amount;

means for transmitting each divided image data by electronic mail; and

means for stopping the scanning of the original document when an error generates in the means for transmitting.

7. The facsimile machine according to claim 6, further comprising:

means for storing the electronic mail; and

means for retransmitting the electronic mail by outputting the electronic mail from the means for storing when it is determined that the electronic mail can be retransmitted based on contents of the error.

8. The facsimile machine according to claim 6, further comprising:

means for stopping the scanning of the original document and the transmission of the electronic mail when it is determined that the electronic mail cannot be retransmitted based on contents of the error.

9. A facsimile machine comprising:

means for scanning an original document to generate image data;

means for detecting whether an amount of the image data exceeds a prescribed amount;

means for dividing the image data in parallel with the scanning of the original document each time the amount of the image data is detected to exceed the prescribed amount;

means for transmitting each divided image data by electronic mail;

means for providing the electronic mail with information regarding an error when detecting the error in the transmitted electronic mail; and

means for retransmitting the electronic mail.

10. The facsimile machine according to claim 9, further comprising:

means for storing the electronic mail; and

means for retransmitting the electronic mail by outputting the electronic mail from the means for storing when it is determined that the electronic mail can be retransmitted based on contents of the error.

11. The facsimile machine according to claim 9, further comprising:

means for stopping the scanning of the original document and the transmission of the electronic mail when it is determined that the electronic mail cannot be retransmitted based on the contents of the error.

12. A facsimile machine comprising:

means for scanning an original document to generate image data;

means for detecting whether an amount of the image data exceeds a prescribed amount;

means for dividing the image data in parallel with the scanning of the original document each time the amount of the image data is detected to exceed the prescribed amount;

means for transmitting each divided image data by electronic mail; and

means for providing the electronic mail with information indicating a transmission number of the electronic mail.

13. The facsimile machine according to claim 12, further comprising:

means for providing the electronic mail with information indicating whether subsequent electronic mail will be transmitted.

14. The facsimile machine according to claim 12, further comprising:

means for providing the electronic mail with information indicating a total number of the electronic mails.

15. The facsimile machine according to claim 12, further comprising:

means for providing the electronic mail with page information of the original document.